

# MATERIAL SAFETY DATA SHEET

## SECTION I – Product/Company Identification

**1.1 Product Trade Name:** AQUASIL MONOPHASE, AQUASIL RIGID, AQUASIL XLV, AQUASIL PUTTY, AQUASIL LV  
AQUASIL DECA™ Monophase, AQUASIL DECA™ Heavy  
Smart Wetting® Impression Material

**1.2 Part (Item) Number:** 678000 – 678999 All Package Configurations

**1.3 Division Name:** DENTSPLY Caulk

**1.4 Address:** 38 West Clarke Avenue  
**City State Zip:** Milford DE 19963-0359

**1.5 Emergency Telephone Number:** (800) 424-9300 (Chemtrec)

**1.6 Telephone Number for Information:** (302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)

**1.7 Date Prepared:** 8/4/99 **Dated Revised:** 1/7/00

## SECTION II - Hazardous Ingredients/Identity Information

<u>Hazardous Components</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Silica as dust (Amorphous )	1.2 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Silica as dust (Crystalline)	0.05 mg/m <sup>3</sup>	0.05 mg/m <sup>3</sup>
Silica fume (as Dust)	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>
Vinyl dimethyl terminated polydimethylsiloxane	N. E.	N. E.
Phenolic Surfactant	N. E.	N. E.
Organic Plasticizer	N. E.	N. E.
Polymethylhydrogen siloxane (In Base Only)	N. E.	N. E.
Organic Platinum Complex (In Catalyst Only)	N. E.	N. E.

## SECTION III - Physical/Chemical Characteristics

**3.1 Boiling point:** >200°C

**3.2 Vapor pressure:** N. A.

**3.3 Vapor density:** N. A.

**3.4 Solubility in water:** Not Soluble

**3.5 Appearance and odor:** Various colored pastes with faint sweet odor.

**3.6 Specific Gravity:** Varies from 1.0 g/cm<sup>3</sup> to 1.5 g/cm<sup>3</sup> depending upon viscosity.

**3.7 Melting Point:** N. E.

**3.8 Evaporation rate:** <1

## SECTION IV - Fire and Explosion Hazard Data

**4.1 Flash point (method used):** > 415°F (Pensky Martin CC ASTM 093)

**4.2 Flammability (explosive limits):** **LEL: N.E.** **UEL: N.E.**

**4.3 Extinguishing media:** Sand, foam, carbon dioxide, or dry chemical.

**4.4 Special fire fighting procedures:** Fire fighter should wear full protective clothing including a self-contained breathing apparatus.

**4.5 Unusual fire and explosion hazards:** During a fire, irritating gasses from the decomposition of the silicone resins may be present.

## SECTION V – Reactivity Data

**5.1 Stability:** **Unstable:** **Stable: X**

**5.2 Conditions to avoid (stability):** Heat greater than 60°C (140°F)

**5.3 Incompatibility (materials to avoid):** Condensation silicones, tin and sulfur, amines and peroxides.

**5.4 Hazardous decomposition or byproducts:** N.E.

**5.5 Hazardous polymerization:** **May occur:** **Will not occur: X**

**5.6 Conditions to avoid (polymerization):** Extreme heat.

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## SECTION VI - Health Hazard Data

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- 6.1 Route(s) of entry:** **Inhalation?:** No **Skin?:** Yes **Ingestion?:** Yes
- 6.2 Health hazards (acute and chronic):** Contact with eyes and skin may cause irritation. In susceptible persons, skin reactions may occur. This is short term and should go away after washing with soap and water.
- 6.3 Carcinogenicity:** **NTP?:** Not listed **IARC monographs?:** Not listed **OSHA Regulated?:** No  
All components of this product are in compliance with the inventory listing requirements of the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
- 6.4 Signs and symptoms of exposure:** Product may irritate the eyes and skin. **Eye contact:** irritation and possible corneal damage. **Skin contact:** irritation or possible allergic response. Reddish rashes may be seen on the skin. **Ingestion:** Low order of toxicity is expected when large amounts of material are ingested. Acute toxicology study in rats LD<sub>50</sub> >2,000mg/kg.
- 6.5 Medical conditions generally aggravated by exposure:** Possible skin rashes.
- 6.6 Emergency first aid procedures:** In case of eye contact, flush with flowing water for 15 minutes and get medical attention. **Skin:** Flush with flowing water for 15 minutes, then wash area with mild soap and water. Call physician.
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## SECTION VII - Precautions for Safe Handling and Use

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- 7.1 Steps to be taken in case material is released or spilled:** Spread vermiculite on paste to absorb any resin. Scoop up and place in an appropriately marked container.
- 7.2 Waste disposal methods:** Dispose of in accordance with Federal, State and Local regulations.
- 7.3 Precautions to be taken in handling and storage:** Store away from food and beverages. Store away from extreme heat.
- 7.4 Other precautions:** Observe normal warehouse handling procedures.
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## SECTION VIII – Control Measures / Personal Protection

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- 8.1 Respiratory protection:** None required during normal use of this product.
- 8.2 Ventilation:** Local exhaust recommended.
- 8.3 Protective gloves:** Vinyl gloves. Latex or Rubber gloves may inhibit set.
- 8.4 Eye protection:** Protective goggles.
- 8.5 Other protective clothing or equipment:** Apron.
- 8.6 Work/Hygienic practices:** Observe normal care when working with chemicals.
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NFPA HAZARD CLASSIFICATIONS	
Health	0
Flammability	1
Reactivity	0
Specific Hazard	N. A.

NFPA - National Fire Protection Association  
N.A. - Not Applicable  
N.E. - Not Established

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